6L4

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OSCILLATOR TRIODE

ACORN TYPE

GENERAL DATA

Electrical:

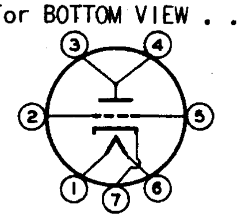
Heater, for Unipotential Cathode:			
Voltage	6.3		ac or dc volts
Current	0.225		amp
Direct Interelectrode Capacitances:*			
Grid to Plate	1.6		μμf
Grid to Cathode	1.8		μμf
Plate to Cathode	0.5		μμf

* With no external shield.

Mechanical:

Mounting Position	Any
Overall Length	1-7/32" ± 5/32"
Overall Diameter (Including radial pins)	1-3/32" ± 1/16"
Bulb	T-4-1/2
Base	Small Radial 7-Pin
Basing Designation for BOTTOM VIEW	7BR

Pin 1 - Heater
Pin 2 - Grid
Pin 3 - Plate
Pin 4 - Plate



Pin 5 - Grid
Pin 6 - Heater
Pin 7 - Cathode

AMPLIFIER - Class A_1

Maximum Ratings, *Design-Center Values*:

PLATE VOLTAGE	500 max.	volts
PLATE DISSIPATION	1.7 max.	watts
PLATE CURRENT	15 max.	ma
PEAK HEATER-CATHODE VOLTAGE:		
Heater negative with respect to cathode	80 max.	volts
Heater positive with respect to cathode	80 max.	volts

Typical Operation and Characteristics:

Plate Voltage	80	volts
Cathode-Bias Resistor	150	ohms
Amplification Factor	28	
Plate Resistance	4400	ohms
Transconductance	6400	μmhos
Plate Current	9.5	ma

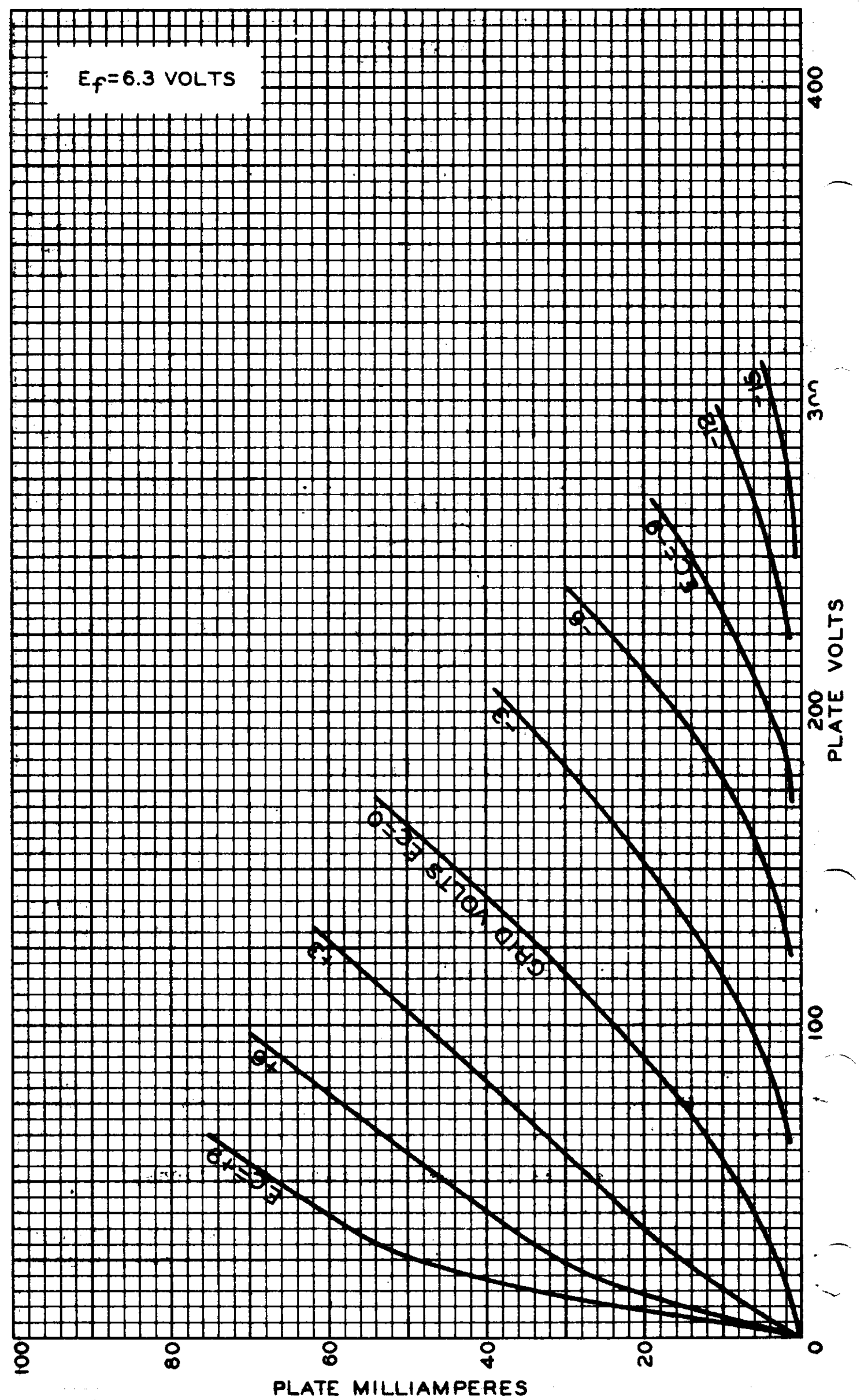
Maximum Circuit Values (for maximum rated conditions):

Grid-Circuit Resistance:	
For fixed bias	Not Recommended
For cathode bias	0.5 max. megohm

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AVERAGE PLATE CHARACTERISTICS



MAR.8,1949

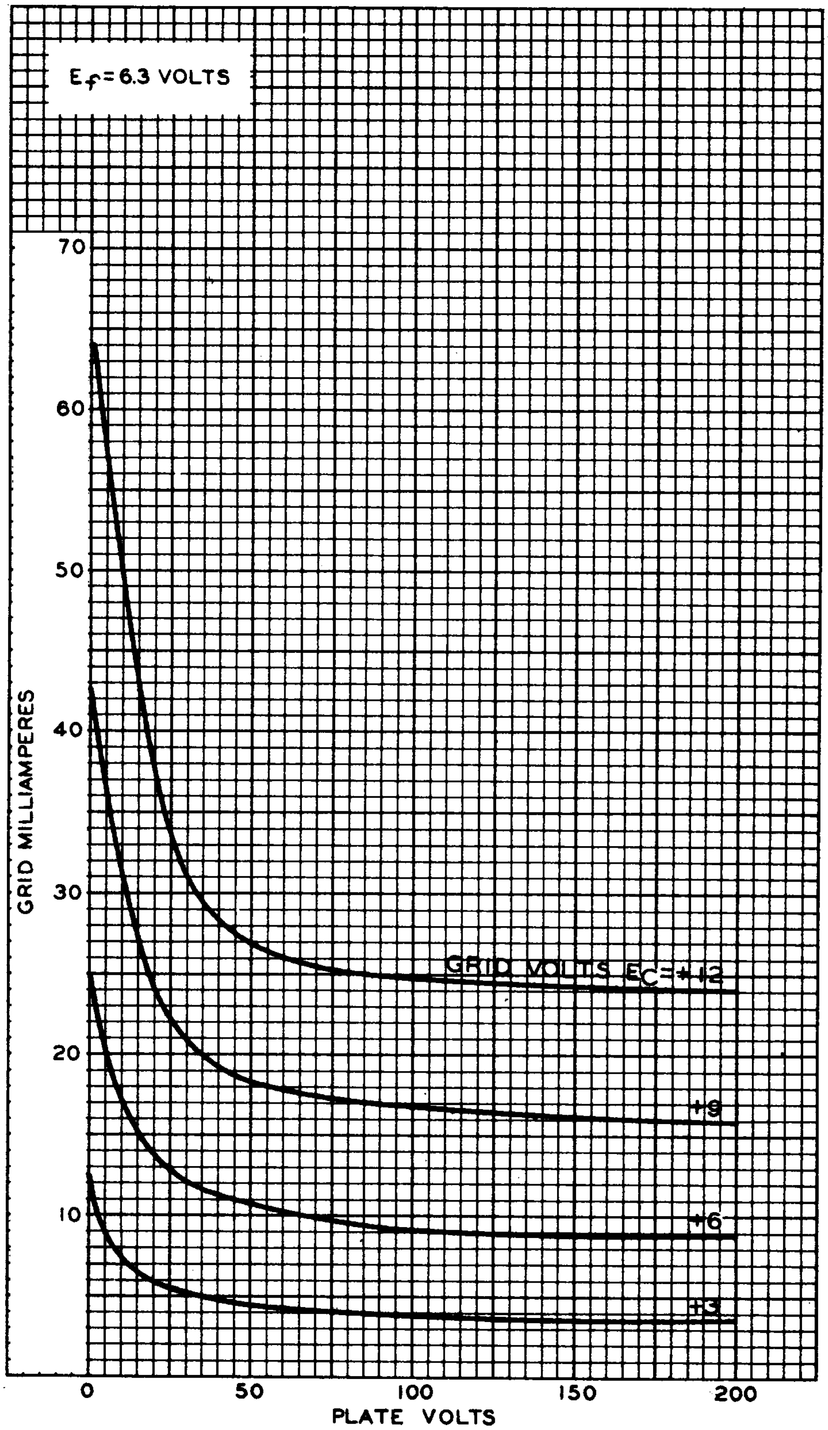
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92CM-7199

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TYPICAL CHARACTERISTICS



MAR.10,1949

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92CM-7202